

**AMENDMENTS TO THE CLAIMS:**

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

1. (Currently amended) An optoelectronic dust sensor comprising:
  - one or more light-emitting units irradiating one or more dust passage routes with light;
  - one or more light-receiving units receiving light reflected from dust passing through at least one of the dust passage route or routes;
  - one or more main body housings at least partially enclosing the optoelectronic dust sensor;
  - one or more passage holes, provided at at least one of the main body housing or housings, for permitting introduction of dust from the exterior to at least one of the dust passage route or routes; [[and]]
  - one or more openings, provided at at least one of the main body housing or housings, for permitting discharge of dust from at least one of the dust passage route or routes to the exterior;
  - wherein presence, absence, and/or concentration of dust is detected based on received-light output from at least one of the light-receiving unit or units; [[and]]
  - at least one of the opening or openings is larger than at least one of the passage hole or holes;
  - at least one detection report means for detecting and reporting at least one large amount(s) of dust accumulated at the interior of at least one of the main body housing or housings of the optoelectronic dust sensor; and
  - wherein said detection report means keeps track of a time during which a signal level from the light-receiving unit is maintained at or above a predetermined level, and when the time

exceeds a predetermined threshold said detection report means reports that a large amount of deposit(s) may have collected within the main body housing(s).

2. (Original) An optoelectronic dust sensor according to claim 1 wherein: at least one of the opening or openings is provided with at least one removably installed cover.

3. (Currently amended) An optoelectronic dust sensor according to claim 2 wherein ~~at least one of the cover or covers is disposed so as to be removed by at least one distance from at least one optical path from at least one of the light emitting unit or units, through dust in at least one of the dust passage route or routes, to at least one of the light receiving unit or units~~ at least one of the opening or openings is provided with at least one sliding cover.

4. (Canceled)

5. (Currently amended) Air conditioning equipment wherein, when one or more optoelectronic dust sensors according to claim 1 is or are disposed near one or more air inlets of the air conditioning equipment, at least one of the main body housing or housings is or are arranged near at least one of the air inlet or inlets of the air conditioning equipment, such that at least one of the opening or openings of at least one of the optoelectronic sensor or sensors is directed toward an air inlet side or an ~~[[the]]~~ inside of the air conditioning equipment, and such that at least one of the passage hole or holes of at least one of the optoelectronic sensor or sensors is directed toward ~~[[the]]~~ an outside of the air conditioning equipment.

6. (Currently amended) Air conditioning equipment wherein, when one or more optoelectronic dust sensors according to claim 2 is or are disposed near one or more air inlets of the air conditioning equipment, at least one of the main body housing or housings is or are arranged near at least one of the air inlet or inlets of the air conditioning equipment, such that at least one of the opening or openings of at least one of the optoelectronic sensor or sensors is directed toward [[the]] an air inlet side or an inside of the air conditioning equipment, and such that at least one of the passage hole or holes of at least one of the optoelectronic sensor or sensors is directed toward [[the]] an outside of the air conditioning equipment.

7. (Currently amended) Air conditioning equipment wherein, when one or more optoelectronic dust sensors according to claim 3 is or are disposed near one or more air inlets of the air conditioning equipment, at least one of the main body housing or housings is or are arranged near at least one of the air inlet or inlets of the air conditioning equipment, such that at least one of the opening or openings of at least one of the optoelectronic sensor or sensors is directed toward an air inlet side or an inside of the air conditioning equipment, and such that at least one of the passage hole or holes of at least one of the optoelectronic sensor or sensors is directed toward [[the]] an outside of the air conditioning equipment.

8. (Canceled)